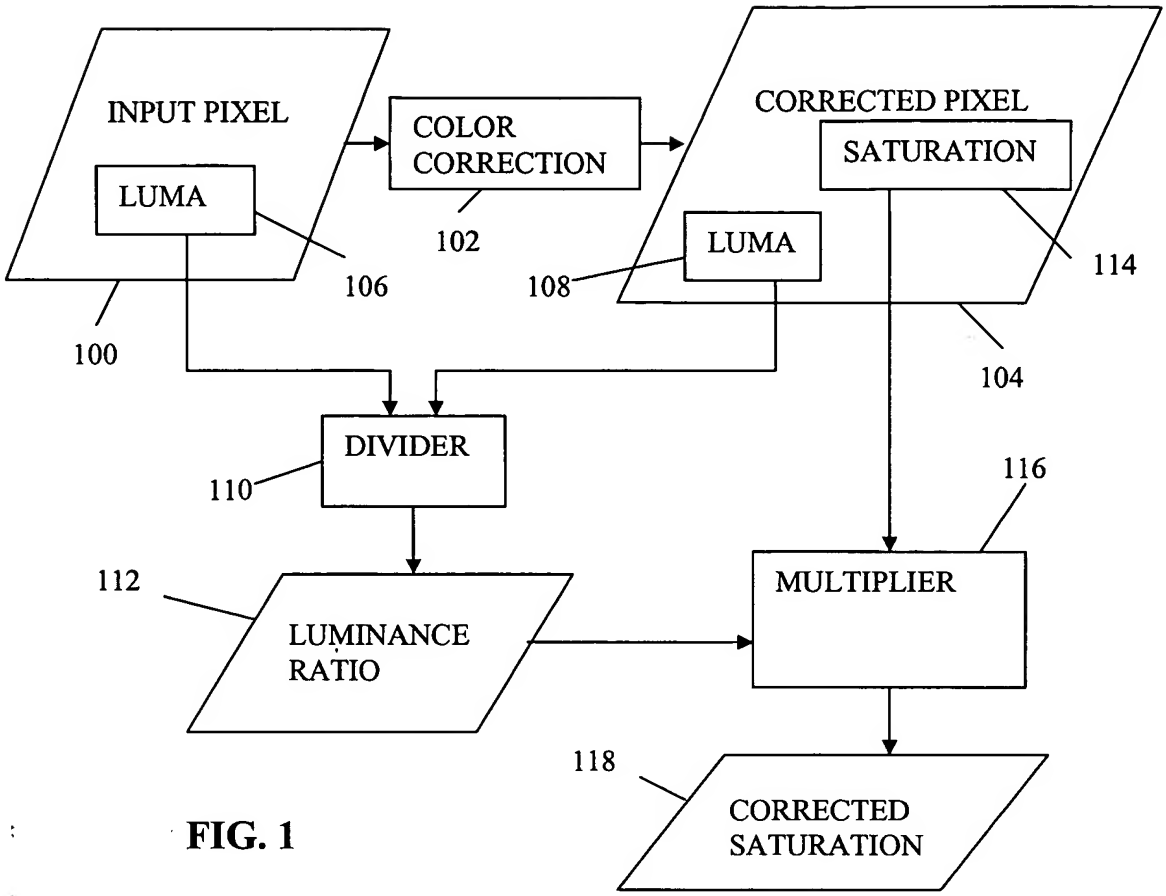
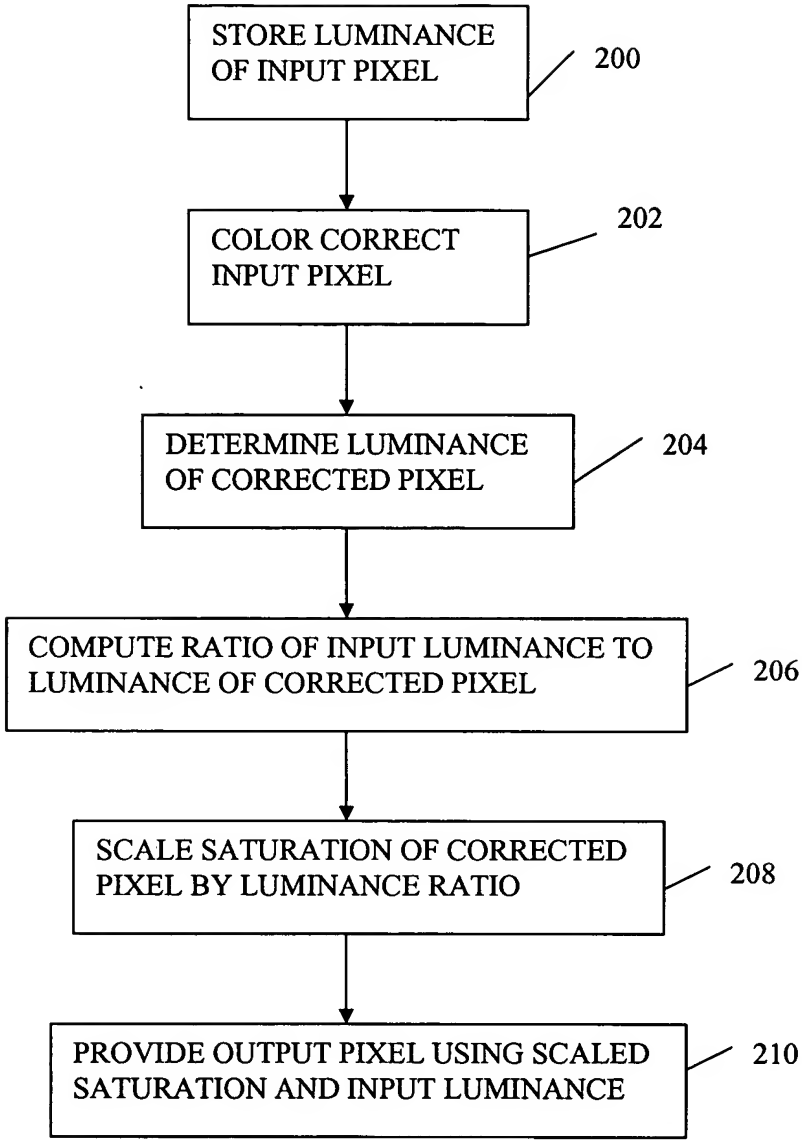

INPUT PIXEL
LUMA
COLOR CORRECTION
CORRECTED PIXEL
SATURATION
LUMA
100
102
106
108
114
104
DIVIDER
110
116
112
LUMINANCE RATIO
MULTIPLIER
118
CORRECTED SATURATION

FIG. 1

FIG. 2


STORE LUMINANCE OF INPUT PIXEL
200
COLOR CORRECT INPUT PIXEL
202
DETERMINE LUMINANCE OF CORRECTED PIXEL
204
COMPUTE RATIO OF INPUT LUMINANCE TO LUMINANCE OF CORRECTED PIXEL
206
SCALE SATURATION OF CORRECTED PIXEL BY LUMINANCE RATIO
208
PROVIDE OUTPUT PIXEL USING SCALED SATURATION AND INPUT LUMINANCE
210